



*California Environmental Protection Agency  
Department of Toxic Substances Control*

**HAZARDOUS WASTE FACILITY  
POST-CLOSURE PERMIT**

Permit Number: 00-NC-004

Facility Name:

IT Corporation – Vine Hill Complex  
896 Waterbird Way  
Martinez, California 94553

Owner Name:

IT Vine Hill LLC  
2251 Lake Herman Road  
Benicia, California 94510

Operator Name:

IT Corporation  
2251 Lake Herman Road  
Benicia, California 94510

Facility EPA ID No.: CAD982521460

Effective Date:

Expiration Date:

Permit Modification History: New Permit

Pursuant to section 25200 of the California Health and Safety Code, this Resource Conservation and Recovery Act (RCRA) equivalent Hazardous Waste Facility Post-closure Permit is hereby issued to the IT Corporation. Issuance of this Permit, which consists of 14 pages, is subject to all terms and conditions set forth herein.

Not Signed - Draft

Chief, Land Disposal Branch  
Hazardous Waste Management Program

Date: \_\_\_\_\_

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## **PART I. DEFINITIONS**

All terms used in this Permit shall have the same meaning as those terms have in the California Health and Safety Code, Division 20, Chapter 6.5 and Title 22, California Code of Regulations, Division 4.5, unless expressly provided otherwise by this Permit.

1. "DTSC" as used in this Permit means the California Department of Toxic Substances Control.
2. "Permittee" as used in this Permit means the Owner and Operator.
3. "HSC" as used in this Permit means the Health and Safety Code.
4. "Cal. Code of Regs." as used in this Permit means the California Code of Regulations.
5. "Approved Application" as used in this Permit means the Part A and Part B portions of the permit application described in Part III.1 of this Permit.
6. Unless explicitly stated otherwise, all references to items in this Permit shall refer only to items occurring within the same part.

## **PART II. DESCRIPTION OF THE FACILITY AND OWNERSHIP**

### **1. OWNER**

The facility owner is IT Vine Hill LLC, 2251 Lake Herman Road, Benicia, California 94510 (hereafter "Owner").

### **2. OPERATOR**

The facility operator is IT Corporation, 2251 Lake Herman Road, Benicia, California 94510 (hereafter "Operator").

### **3. LOCATION**

The IT Corporation - Vine Hill Complex is located on two connected, noncontiguous properties separated by Pacheco Creek. The properties are referred to individually as the Vine Hill site and the Baker site. The Vine Hill site is the former IT Corporation, Vine Hill hazardous waste disposal facility (Inactive EPA ID No. CAD000094771). The IT Corporation, Oil Reprocessing Facility was also located on the Vine Hill site (Inactive EPA ID No. CAD000092619). The Baker site is the former IT Corporation, Baker hazardous waste disposal facility (Inactive EPA ID No. CAD089680250). The Vine Hill Complex is located at 896 Waterbird Way, Martinez, Contra Costa County, California, which is the same address as the former Vine Hill facility. The Baker site is located across Pacheco Creek, between Pacheco Creek and Walnut Creek. Access to the Baker site is via a 1-1/4 mile access road that runs from Imhoff Drive to the southern edge of the site. The Vine Hill and Baker sites are shown on the attached Vine Hill Complex Site Location Map, which is the same as Figure 1 of the Part A portion of the Approved Application (DTSC Attachment 1).

The Vine Hill site consists of two parcels, Contra Costa County Assessor's Parcel Numbers 380-020-002 (+/- 38.9 acres) and 380-020-016 (+/- 1.8 acres). The Baker site consists of one parcel, Contra Costa County Assessor's Parcel Number 159-250-014 (+/- 30.343 acres). The configuration of the Vine Hill and Baker sites are shown on the attached Vine Hill and Baker site parcel maps, which are the same as Figures 7 and 8 in the of the Part A portion of the Approved Application (DTSC Attachments 2 and 3, respectively).

### **4. DESCRIPTION**

The Vine Hill portion of the Vine Hill Complex occupies approximately 41 acres and at one time contained eleven surface impoundments, as well as receiving and processing tanks, a treatment plant, and an incineration system for incinerating vapors from the treatment plant. During closure approximately 200,000 cubic yards of sludges and waste were solidified and consolidated into an onsite Corrective Action Management Unit (CAMU) landfill. A RCRA cover system of low permeability soils and geosynthetic layers cover almost the entire Vine Hill site. The cover system includes a passive Gas Collection System. A groundwater treatment system and two CAMU

evaporation basins are located on the northeast portion of the Vine Hill site. A series of surface water drainage ditches convey and divert surface water from the landfill and prevent run-on to the evaporation basin area.

The Baker portion of the Vine Hill Complex occupies approximately 130 acres and at one time contained eleven surface impoundments used for evaporation of liquids delivered to the site via pipeline from the Vine Hill site. During closure approximately 700,000 cubic yards of waste and contaminated soils were solidified and consolidated into an onsite 26-acre landfill. A RCRA cover system of low permeability soils and geosynthetic layers cover the 26-acre landfill. Surface water ditches convey and divert water away from the closed landfill.

The Vine Hill and Baker sites are completely surrounded by soil-bentonite slurry walls. Perimeter groundwater collection trenches and sumps collect groundwater from inside the slurry walls. The collected groundwater is delivered via onsite pipelines to a groundwater treatment plant located on the Vine Hill site. Treated groundwater is discharged into the two CAMU evaporation basins located on the Vine Hill site. Groundwater from the Baker site that does not need treatment is pumped through the treatment plant and into the evaporation basins without treatment.

A detailed discussion of all waste management units and activities historically conducted at both sites is included in the *Final RCRA Facility Investigation (RFI) Workplan* (IT, 1991). Final closure plans for both sites are memorialized in the *Closure and Postclosure Plans, Revisions 2.1, 2.2, and 2.3* (IT, 1995, 1996, 1997). The Vine Hill CAMU landfill and liquids CAMU evaporation basins were authorized through a *Corrective Action Consent Agreement, Docket HWCA #95/96-035* (DTSC, 1995). As-built drawings, as well as reports detailing closure construction, solidification, and testing at both the Vine Hill and Baker sites are included in the *Closure Certification Report, Vine Hill Complex, Volumes 1 through 5* (IT, 1999).

## 5. FACILITY SIZE AND TYPE FOR FEES

The facility is categorized as a large post-closure facility for purposes of HSC, section 25205.19. For the purpose of HSC, section 25205.4, the post-closure period for the facility shall be deemed to have started June 9, 1999, which is the date the IT Corporation transmitted to DTSC the *Closure Certification Report, Vine Hill Complex, Volumes 1 through 5*. Closure certification was accepted by DTSC on June 23, 1999.

### **PART III. GENERAL CONDITIONS**

#### **1. PERMIT APPLICATION DOCUMENTS**

The RCRA Subtitle C Site Identification Form, Revised RCRA Hazardous Waste Part A Permit Application, signed October 30, 2002 by Mr. Harry Soose, Chief Operating Officer and Chief Financial Officer for IT Vine Hill, LLC and the IT Vine Hill Complex, Revised Post-Closure Permit Application, Dated October 31, 2002 (Part B Permit Application), consisting of two volumes, are hereby approved and made a part of this Permit by reference (hereafter "Approved Application"). Included in the Approved Application are the Vine Hill and Baker Post-closure Plans.

#### **2. EFFECT OF PERMIT**

- (a) The Permittee shall comply with the provisions of the California Health and Safety Code, and Division 4.5 of Title 22, California Code of Regulations (Title 22, Cal. Code Regs.). The issuance of this Permit by DTSC does not release the Permittee from any liability or duty imposed by federal or state statutes or regulations or local ordinances, except the obligation to obtain this Permit. The Permittee shall obtain the permits required by other governmental agencies, including but not limited to, the applicable land use planning, zoning, hazardous waste, air quality, water quality, and solid waste management laws for the construction and/or operation of the post-closure facility.
- (b) The Permittee is permitted to monitor and maintain the post-closure facility in accordance with the conditions of this Permit and the Approved Application. Any treatment or storage of hazardous wastes not specifically authorized in this Permit or described in the Approved Application is strictly prohibited.
- (c) Compliance with the terms of this Permit does not constitute a defense to any action brought under any other law governing protection of public health or the environment, including, but not limited to, one brought for any imminent and substantial endangerment to human health or the environment.
- (d) DTSC's issuance of this Permit does not prevent DTSC from adopting or amending regulations that impose additional or more stringent requirements than those in existence at the time this Permit is issued and does not prevent the enforcement of these requirements against the Permittee. Failure to comply with any term or condition set forth in this Permit in the time or manner specified herein will subject the Permittee to possible enforcement action including but not limited to penalties pursuant to HSC section 25187.
- (f) In addition, failure to submit any information required in connection with this Permit, or falsification and/or misrepresentation of any submitted information, is grounds for revocation of this Permit (Title 22, Cal. Code of Regs., section 66270.43).
- (g) In case of conflicts between the Approved Application and this Permit, the Permit conditions take precedence.

(h) This Permit includes and incorporates by reference any conditions of waste discharge requirements issued to the facility by the State Water Resources Control Board or the California Regional Water Quality Control Board, San Francisco Bay Region, and any conditions imposed pursuant to section 13227 of the Water Code.

### 3. COMPLIANCE WITH CALIFORNIA ENVIRONMENTAL QUALITY ACT

A Notice of Exemption has been prepared in accordance with the requirements of Public Resources Code section 21000 et seq. and the California Environmental Quality Act Guidelines, which are codified in Title 14, Cal. Code of Regs., section 15070 et seq.

### 4. ENVIRONMENTAL MONITORING

(a) For the purpose of Title 22, Cal. Code of Regs., section 66264.91(b), the elements of the Groundwater Monitoring and Response Program for the IT Vine Hill Complex are those described in Section 1 of the approved Sampling and Analysis Plan (SAP), which is contained in the Approved Application.

(b) For the purpose of Title 22, Cal. Code of Regs., section 66264.92, the Water Quality Protection Standard for the Vine Hill Complex is described in Section 2.1 of the approved SAP.

(c) For the purpose of Title 22, Cal. Code of Regs., section 66264.93, the Constituents of Concern for the Vine Hill Complex are described in Section 2.3 of the approved SAP.

(d) For the purpose of Title 22, Cal. Code of Regs., section 66264.94, the Concentration Limits for the Vine Hill Complex are described in Section 2.5 of the approved SAP.

(e) For the purpose of Title 22, Cal. Code of Regs., section 66264.95, the Monitoring Points and Points of Compliance for each regulated unit at the Vine Hill Complex are described in Section 2.2 of the approved SAP.

(f) For the purpose of Title 22, Cal. Code of Regs., section 66264.96 the Compliance Period for each regulated unit at the Vine Hill Complex is described in Section 2.7 of the approved SAP.

(g) For the purpose of Title 22, Cal. Code of Regs., section 66270.31, the monitoring, recording, and reporting program for the Vine Hill Complex is described in Section 2.8 of the approved SAP.

## 5. WASTE MINIMIZATION CERTIFICATION

Pursuant to HSC, section 25202.9, the Permittee shall certify annually, by March 1 for the previous year ending December 31, that:

- (a) The facility has a program in place to reduce the volume and toxicity of all hazardous wastes that are generated by the facility operations to the degree, determined by the Permittee, to be economically practicable.
- (b) The method of storage or treatment is the only practicable method or combination of methods currently available to the facility which minimizes the present and future threat to human health and the environment.

The Permittee shall make this certification, in accordance with Title 22, Cal. Code of Regs., section 66270.11. The Permittee shall submit the certification to the Department of Toxic Substances Control, Land Disposal Branch, 8800 Cal Center Drive, Sacramento, California 95826 and shall record and maintain onsite such certification in the facility Operating Record.

## 6. WASTE MINIMIZATION CONDITIONS

- (a) The Permittee shall comply with the Hazardous Waste Source Reduction and Management Review Act (SB 14) requirements that are specified in HSC, sections 25244.19, 25244.20 and 25244.21, and any subsequent applicable statutes or regulations promulgated thereunder. This would include submittal of SB 14 documents to DTSC upon request.
- (b) DTSC may require the Permittee to submit a more detailed status report explaining any deviation from, or changes to, the approved waste minimization plan.

## 7. CONDITIONS APPLICABLE TO ALL PERMITS

Title 22, Cal. Code of Regs., section 66270.30, Conditions Applicable to All Permits, is incorporated by this reference.



## 8. MODIFICATIONS

(a) The Permittee must request and obtain a permit modification to revise any portion of this Permit. To request such a revision, the Permittee must comply with the procedures for permit modifications set forth in Title 22, Cal. Code Regs., section 66270.42.

(b) If at any time DTSC determines that modification of any part of this Permit is necessary, DTSC may initiate a modification in accordance with the procedures in Title 22, Cal. Code Regs., section 66270.41.

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#### **PART IV. PERMITTED UNITS AND ACTIVITIES**

For the purpose of Title 22, Cal. Code of Regs., section 66270.1(c) and other similar, unit specific regulatory requirements, the IT Vine Hill Complex has three Hazardous Waste Management Units. These units are described in detail in the Approved Application and/or in the Closure Certification Report, Vine Hill Complex, June 1999, Volumes 1 through 5, and are as follows:

1. The IT Vine Hill Hazardous Waste Management Unit, consisting of the former IT Vine Hill site circumscribed by the site slurry wall, including all surface and subsurface features such as the slurry wall, the groundwater collection/interceptor trenches, the consolidation landfill cover, the drainage trenches and culvert, the Gas Collection System, and the final site topography, excepting the Liquids Management System;
2. The Baker Hazardous Waste Management Unit, consisting of the area circumscribed by the slurry wall at the Baker consolidation unit, including all surface and subsurface features such as the slurry wall, the groundwater collection/interceptor trenches, the consolidation landfill cover, the drainage trenches, and the final site topography, excepting features associated with the Liquids Management System; and
3. The Liquids Management System for both the Vine Hill and Baker Hazardous Waste Management Units, consisting of all below ground collection pipes, sumps, pumps and riser pipes, above ground pumping systems, the water treatment plant and the North and South Evaporation Basins.

## **PART V. SPECIAL CONDITIONS**

1. DTSC and the IT Corporation are negotiating a Consent Agreement as part of the IT Corporation bankruptcy reorganization. The Consent Agreement will require the IT Corporation to have a fully funded financial assurance mechanism for post-closure care based upon updated post-closure care cost estimates. The Consent Agreement shall be a condition of this Permit upon signature of the Consent Agreement.
2. Section 10.2 of the Approved Application notes that conceptual development plans have been submitted to DTSC and Contra Costa County to rent or lease portions of the Vine Hill and Baker landfills for equipment storage and construction support. Such reuse of the Vine Hill and Baker landfills is prohibited. Rezoning of the proposed reuse property from H-1 to P-1, or as otherwise approved by Contra Costa County, shall be a condition precedent to modification of this condition.
3. Section 10.1 and Appendix J of the Approved Application describe a proposed railroad easement across approximately 220 feet of the southern corner of the Baker landfill. Reuse of the Baker landfill for a railroad easement is prohibited, except upon rezoning of the proposed easement from H-1 to P-1, or as otherwise approved, in writing, by Contra Costa County.
4. Attachment A of Appendix J of the Approved Application, which was prepared by Kleinfelder, Inc., and dated October 18, 2002, contains recommendations related to bearing capacity, drainage under fills, railroad ballast and fill placement, and compaction requirements for fill placed on the Baker landfill cap. Such recommendations are hereby made a condition of this permit. Within 90 calendar days from the date of completion of any rail line crossing the Baker landfill, the Permittee shall provide DTSC with a report, signed by an independent professional engineer registered in California, documenting that all recommendations of the October 18, 2002, Kleinfelder document were completed as specified and that construction of the rail crossing did not degrade the performance of the Baker landfill cap.
5. Thirty (30) calendar days prior to the initiation of construction of any rail line crossing the Baker landfill, the Permittee shall provide DTSC with a construction schedule for all work to be performed on or immediately adjacent to the Baker landfill cap. Within ten (10) calendar days from the date of receipt of the construction schedule, DTSC shall provide the Permittee with the name and telephone number of the DTSC employee assigned to monitor all construction on, or that may otherwise impact, the landfill cap. The Permittee shall then notify this DTSC employee by telephone of any changes to the construction schedule. Use of the Baker landfill for construction equipment or materials staging or storage is prohibited.
6. As noted in the cover letter dated October 31, 2002, signed by Mr. Douglas S. Waltermire, Senior Project Manager for The Shaw Group Inc., certain deed notices included in Appendix I of the Approved Application were never recorded. Within sixty (60) calendar days from the effective date of this permit, the Permittee shall record such notices. Within sixty (60) days from the date of such recording, the Permittee shall provide DTSC with copies of the recorded notices.

7. Section 5.7 of the Approved Application states that an annual inspection will be performed by a professional engineer or geologist. Section 5.7.1 of the Approved Application lists the site features or conditions to be addressed during the inspection, and Section 5.7.2 of the Approved Application lists the items to be determined by a licensed land surveyor or a registered engineer. Section 5.7.3 of the Approved Application states that a qualified registered engineer will evaluate and document the condition of the Vine Hill site. Such evaluation and documentation shall include the entire Vine Hill Complex, including the Baker site. The engineer's report prepared under Section 5.7.3 of the Approved Application shall also recommend any corrections needed to prepare the Vine Hill Complex for the rainy season and maintain the three Hazardous Waste Management Units listed in Part IV of this permit consistent with plans and specifications included in the approved closure plan, approved closure plan modifications, and as-built reports listed in Section 3.0, 3.1, 3.2, and 3.3 of the Approved Application. The engineer's report prepared under Section 5.7.3 of the Approved Application shall also document the completion of all corrections and certify that all corrections were completed in accordance with generally accepted engineering and construction practices. Such inspections, associated maintenance and annual reports shall be completed by December 31 of each calendar year.

## **PART VI. CORRECTIVE ACTION**

### **1. POTENTIAL OR IMMEDIATE THREATS/NEWLY IDENTIFIED RELEASES/ NEWLY IDENTIFIED SWMUs**

(a) In the event the Permittee identifies an immediate or potential threat to human health and/or the environment, discovers new releases of hazardous waste and/or hazardous constituents, or discovers new Solid Waste Management Units (SWMUs) not previously identified, the Permittee shall notify DTSC orally within 24 hours of discovery and notify DTSC in writing within ten (10) days of such discovery summarizing the findings including the immediacy and magnitude of any potential threat to human health and/or the environment. Newly identified hazardous constituents discovered during routine groundwater sampling shall be reported in accordance the reporting provisions of the approved SAP.

(b) DTSC may require the Permittee to investigate, mitigate and/or take other applicable action to address any immediate or potential threats to human health and/or the environment, SWMUs, or newly identified releases of hazardous waste and/or hazardous constituents. Corrective action shall be carried out under either a Corrective Action Consent Agreement or Unilateral Corrective Action Order pursuant to HSC, section 25187.

### **2. SAMPLING AND ACCESS**

#### **(a) Sampling**

(1) The Permittee shall provide confirmatory samples to DTSC within the time requested by DTSC to determine if there is a threat to human health and/or the environment. The sampling shall be done in accordance with guidance that DTSC supplies to the Permittee.

(2) The Permittee shall notify DTSC in writing at least fourteen (14) days prior to beginning any confirmatory sampling requested by DTSC. If the Permittee believes it must commence emergency confirmatory sampling without delay, the Permittee may seek emergency telephone authorization from DTSC's Land Disposal Branch Chief or, if unavailable, his/her designee to commence such activities immediately. At the request of DTSC, the Permittee shall provide or allow DTSC or its authorized representative to take split or duplicate samples of all samples collected by the Permittee pursuant to this Part of this Permit.

(3) The Permittee shall submit to DTSC upon request the results of all sampling and/or tests or other data generated by its employees, divisions, agents, consultants or contractors pursuant to this Permit.

(4) Notwithstanding any other provisions of this Permit, DTSC retains all information gathering and inspection authority rights including enforcement actions related thereto, under HSC and any other applicable state or federal statutes or regulations.

(b) Access

(1) DTSC, its contractors, employees, agents, and/or any U.S. EPA representatives are authorized to enter and freely move about the facility pursuant to the entire Permit for the purposes of: interviewing Facility personnel and contractors; inspecting records, operating logs, and contracts relating to the Facility; reviewing progress of the Permittee in carrying out the terms of this Permit; conducting such test, sampling, or monitoring as DTSC deems necessary; using a camera, sound recording, or other documentary-type equipment; verifying the reports and data submitted to DTSC by the Permittee; or confirming any other aspect of compliance with this Permit and Division 20, Chapter 6.5 of the H&SC. The Permittee shall provide DTSC and its representatives access at all reasonable times to the Permittee's Facility and any other property to which access is required for implementation of any provision of this Permit and any provision of Division 20, Chapter 6.5 of the H&SC and shall allow such persons to inspect and copy all records, files, photographs, documents, including all sampling and monitoring data, that pertain to work undertaken pursuant to this Permit or undertake any other activity necessary to determine compliance with applicable requirements. DTSC acknowledges that the IT Vine Hill Complex is not manned 24-hours a day. DTSC will provide reasonable notice when requiring access to the site.

(2) To the extent that work being performed pursuant to this Part of this Permit must be done on property not owned or controlled by the Permittee, the Permittee shall use its best efforts to obtain access agreements necessary to complete work required by this Part from the present owner(s) or operator of such property within ninety (90) days of approval of any workplan for which access is required. "Best efforts" as used in this paragraph shall include, at a minimum, a certified letter from the Permittee to the present owner(s) of such property requesting access agreement(s) to allow the Permittee and DTSC and its authorized representatives access to such property and the payment of reasonable sums of money in consideration of granting access. The Permittee shall provide DTSC with a copy of any access agreement(s). In the event that agreements for the access are not obtained within ninety (90) days of approval of any workplan for which access is required, or of the date that the need for access becomes known to the Permittee, the Permittee shall notify DTSC in writing within fourteen (14) days thereafter regarding both efforts undertaken to obtain access and its failure to obtain such agreements. In the event DTSC obtains access, the Permittee shall undertake approved work on such property.

(3) Nothing in this Permit shall be construed to limit or otherwise affect the Permittee's liability and obligation to perform corrective action including corrective action beyond the facility boundary, notwithstanding the lack of access. DTSC may determine that additional on-site measures must be taken to address releases beyond the Facility boundary if access to off-site areas cannot be obtained.

(4) Nothing in this Permit shall limit or otherwise affect DTSC's right to access and entry pursuant to any applicable state or federal laws and regulations